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DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
MINING, METALLURGICAL AND CHEMICAL BRANCH
OTTAWA - CANADA

DEC 27 1933

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ELECTRIC MOTORS AND GENERATORS, 1933.

Production of electric generators in Canada were valued at \$15,115 in 1933 compared with \$3,445,925 in 1932 and \$4,376,405 in 1931. Electric motors and parts made in Canada were valued at \$2,300,288 in 1933 against \$2,252,951 in 1932 and \$3,370,172 in 1931.

Imports of generators and motors were reported at \$1,084,604 in 1933 compared with \$1,353,384 in 1932. Exports were valued at \$56,926 in 1933 and \$33,009 in 1932.

Table 1 - PRODUCTION OF ELECTRIC GENERATORS AND ELECTRIC MOTORS IN CANADA, 1931 - 1933.

	Total Number	Total rating	Selling value at works
1 9 3 1			\$
Generators (excluding double current generators) -			
Alternating current	49	485,625 K.V.A.	4,110,332
Direct current and including excitors	132	4,422 K.W.	266,073
Total Generators	181	...	4,376,405

Motors (excluding starting motors) -

1/3 h.p. and under	48,711	10,382 H.P.	555,781
Over 1/3 to 5 h.p., single phase - A.C.	3,848	5,516 H.P.	185,643
Over 1/3 to 5 h.p. - induction	1,862	3,678 H.P.	73,367
Over 1/3 to 5 h.p. - D.C.	88	286 H.P.	15,120
Over 5 to 200 h.p. - induction	5,062	62,153 H.P.	1,041,665
Over 5 to 200 h.p. - D.C.	16	589 H.P.	22,208
201 h.p. and over - induction	21	7,800 H.P.	77,783
201 h.p. and over - D.C.	15	10,930 H.P.	223,086
Synchronous condensers and motors	74	23,809 K.V.A.	473,986
Starting and control equipment .....	...	...	563,440
Accessories and parts for motors .....	...	...	138,093
Total Motors	59,697	...	3,370,172

1 9 3 2**Generators (excluding double current generators) -**

Alternating current	39	428,604 K.V.A.	3,357,939
Direct current	61	...	87,986
Total Generators	100	...	3,445,925

Motors (excluding starting motors) -

1/3 h.p. and under	70,879	16,677 H.P.	800,081
Over 1/3 to 5 h.p., single phase - A.C.	3,763	4,989 H.P.	209,843
Over 1/3 to 5 h.p. - induction	2,655	5,405 H.P.	145,400
Over 1/3 to 5 h.p. - D.C.	30	32 H.P.	2,760
Over 5 to 200 h.p. - induction	1,307	29,761 H.P.	405,507
Over 5 to 200 h.p. - D.C.	16	1,267 H.P.	31,602
201 h.p. and over - induction	12	4,330 H.P.	30,891
201 h.p. and over - D.C.	6	2,850 H.P.	57,152
Synchronous condensers and motors	34	9,059 K.V.A.	79,606
Starting and control equipment	388,247
Accessories and parts for motors	101,862
Total Motors	78,702	...	2,252,951

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Table 1 - PRODUCTION OF ELECTRIC GENERATORS AND ELECTRIC MOTORS IN CANADA, 1931 - 1933.
(concluded)

	Number	Total rating	Selling value at works
1 9 3 3			£
<u>Generators</u> (excluding double current generators) -			
Alternating current	16	116,236 K.V.A.	806,481
Direct current and including exciters	19	...	6,000
Steam turbo-generator sets .....	...	...	2,634
Total Generators .....	...	...	815,115
<u>Motors</u> (excluding starting motors) -			
1/3 h.p. and under	100,841	22,733 H.P.	980,240
Over 1/3 to 5 h.p., single phase, - A.C.	3,640	5,048 H.P.	221,040
Over 1/3 to 5 h.p. - induction	2,627	7,897 H.P.	196,958
Over 1/3 to 5 h.p. - D.C.	9	19 H.P.	1,115
Over 5 to 200 h.p. - induction	1,357	23,583 H.P.	297,462
Over 5 to 200 h.p. - D.C.	7	127 H.P.	4,801
201 h.p. and over - induction	5	1,700 H.P.	18,445
201 h.p. and over - D.C.	1	800 H.P.	14,963
Synchronous condensers and motors	23	14,980 K.V.A.	96,151
Starting and control equipment .....	...	...	399,853
Accessories and parts for motors .....	...	...	69,260
Total Motors	108,510	...	2,300,288

Table 2 - IMPORTS INTO CANADA AND EXPORTS OF ELECTRIC GENERATORS AND MOTORS, 1931 - 1933.

	1931	1932	1933
	\$	\$	\$
IMPORTS -			
Electric turbo-generator sets, 700 h.p. or greater of a class or kind not made in Canada and complete parts thereof -			
From - United Kingdom	118,111	5,287	85,077
United States	36,008	21,899	9,536
Switzerland	67,583	744	1,055
Total	<u>221,802</u>	<u>27,930</u>	<u>95,714</u>
Electric dynamos and generators, other, and complete parts -			
From - United Kingdom	136,748	39,313	18,006
United States	308,356	197,074	118,859
Sweden	21,649	196	...
Switzerland	13,060	158	253,313
Other countries	1,626	6,147	3,640
Total	<u>481,439</u>	<u>242,888</u>	<u>393,818</u>
Electric motors and complete parts -			
From - United Kingdom	339,203	210,415	116,211
United States	1,533,345	837,618	468,937
Sweden	21,053	25,724	5,415
Other countries	19,663	8,809	4,509
Total	<u>1,913,264</u>	<u>1,082,566</u>	<u>595,072</u>
EXPORTS -			
DYNAMOS, GENERATORS AND MOTORS	10,730	33,009	56,926

LIST OF PRODUCERS OF ELECTRIC GENERATORS AND MOTORS IN CANADA, 1933.

<u>Names of Firms</u>	<u>Addr. &c &c</u>
(a) ELECTRIC MOTORS	
Canadian Crocker-Wheeler Co. Ltd.	George St., St. Catharines, Ont.
Canadian General Electric Co. Ltd.	212 King St.W., Toronto, Ont. (plants at Peterborough, Ont., and Toronto, Ont.)
Canadian Westinghouse Co. Ltd.	Sanford Ave., Hamilton, Ont.
Jones and Moore Electric Co. Ltd.	296 Adelaide St. W., Toronto, Ont.
Leland Electric of Canada, Ltd.	9 Duke St., Toronto, Ont.
Lincoln Electric Co. of Canada, Ltd.	65 Bellwoods Ave., Toronto, Ont.
McKinnon Industries Limited	St. Catharines, Ont.
Robbins & Myers of Canada, Ltd.	Morrell St., Brantford, Ont.
Sungamo Electric Co. of Canada, Ltd.	183 George St., Toronto, Ont.
(b) GENERATORS	
Canadian Crockor-Wheeler Co. Ltd.	George St., St. Catharines, Ont.
Canadian General Electric Co. Ltd.	212 King St.W., Toronto, Ont. (plant at Peterborough, Ont.)
Canadian Westinghouse Co. Ltd.	485 Acorn Ave., St. Henry, Montreal, P.Q.
Pyle-National Co. of Canada, Ltd.	Morrell St., Brantford, Ont.
Robbins & Myers of Canada, Ltd.	

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